Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/04/2019 12:21 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125292	0	1.61	125324	1.61
Blue	F	SSC	125000	124011	-1	3.03	124832	3.03
Blue	E	FITC	16694	16457	-2	3.41	382	21.67
Blue	D	PE	32792	32424	-2	2.60	715	16.17
Blue	B	PerCP-Cy5-5	44451	43993	-2	4.44	1201	23.62
Blue	A	PE-Cy7	33645	33305	-2	7.05	598	49.66
Red	C	APC	47008	46602	-1	3.01	1794	13.78
Red	A	APC-Cy7	32298	31958	-2	2.89	801	14.20
Violet	B	V450	8961	8740	-3	4.36	595	13.55
Violet	A	V500	32726	31913	-3	3.93	793	10.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20862	4.64	609	-4	N/A	N/A	Pass
Blue	F	SSC	56272	2.54	581	13	N/A	N/A	Pass
Blue	E	FITC	63	68.96	568	5	0.0152	70	Pass
Blue	D	PE	142	58.08	573	7	0.1397	329	Pass
Blue	B	PerCP-Cy5-5	220	56.34	676	5	0.0068	17	Pass
Blue	A	PE-Cy7	116	123.86	731	5	0.0084	24	Pass
Red	C	APC	410	29.48	619	6	0.0180	122	Pass
Red	A	APC-Cy7	198	32.35	590	5	0.0045	1199	Pass
Violet	B	V450	134	38.83	483	-3	0.0297	1247	Pass
Violet	A	V500	123	33.23	493	-3	0.0189	671	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.99	-32.76	1.07
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	15.43	13.60 - 20.40	N/A	N/A	29.87	30.18	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10837

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments